

CALISTRU, C.

Method for Production of Sodium Carbonate Simultaneously with Chlorine and Caustic Soda by means of Electrolysis with a Mercury Cathode. Revista De Chimie (Journal of Chemistry), #2:67:Feb 55

H U N G

Combining the manufacture of soda ash with the electrolysis of sodium chloride by the mercury cathode method. Constantin Calistrat, Ion Curilevici, and Cornelia Leontie. Rev. Zeta (Bucharest) 6, 67-71 (1935).—A process is proposed which would combine in one plant the electrolysis of NaCl from brine and the manuf. of Na_2CO_3 by a slightly modified Solvay process. The 2 units would operate alternately. A flow sheet is shown. Gerard Aufeger.

AB
OS

CALISTRU, Constantin

SIMIONESCU, K. [Simionescu, Christopher] (Rumynskaya Narodnaya Respublika);
KALISTRU, K. [Calistru, Constantin] (Rumynskaya Narodnaya Respublika).

Scientific cooperation of Russian and Rumanian chemists. Vop. 1st.
est. i tekhn. no. 4:172-178 '57. (MIRA 11:1)

1. Ghlen-korrespondent AN Rumynskoy Narodnoy Respubliki (for
Simionescu).

(Russia--Relations (General) with Rumania)
(Rumania--Relations (General) with Russia)

CALISTRU, C. ; SIMIONESCU, C.

Life and works of Petru Poni. P. 13.

STUDII SI CERCETARI STIINTIFICE. CHIME. Iasi, Rumania
Vol. 8, No. 1, 1957.

Monthly List of East European Accession (EEAI). LC, VOL. 8, No. 9, Sept. 1959
Uncl.

CALISTRU, C.; MARINESCU, M.

The current conception of training of chemical engineers; good preparation and utilization of superior chemical cadres.

P. 411 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 8, no. 6, June 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, no. 5. 1958

KALISTRU, K. [Calistru, C.]; IFRIM, Liviya [Ifrim, Livia]

Influence of mass transfer in the reactions flowing through a mixture of solids in the presence of water vapor. Rev chimie 7 no. 1: 91-99 '62.

1. Yasskiy politekhnicheskiy institut, Khimicheskiy fakul'tet, Laboratoriya tekhnologii neorganicheskikh veshchestv.

CALISTRU, ELENA

✓ Production and industrial use of plant proteins. IV. Proteocellulose fibers. Cristofor Simionescu, Elena Calistru, Vasile Diaconescu, Dorel Feldman, and Ioan Oprea. *Acad. rei. populare Române, Filiala Iași, Studii cercetări și înv.* 3, 162-70 (1952); cf. C.A. 49, 8526e. — From an alk. soln. of plant protein and viscose, proteocellulose fibers were prep'd. They appear to result from very complicated reactions. Their quality depends on the conditions of ripening of the proteins and viscose. The optimum appears to be 24-48 hrs.; beyond this time the percentage of incorporated N is lower and the quality of the fiber inferior. N can be introduced by org. solvents, but this increases the cost of production. The dyeing properties of the fiber, comparable to those of wool, are due to (1) adsorption resulting from the polarity of the colloid, and (2) chem. reaction between the active groups of fibers and dye. The microscopic structures of the fibers are similar to those of animal fibers. The new fiber is 46% stronger than viscose fibers; the wet strength is higher than that of pure cellulose fiber. Treated with CH_3O the fibers maintain their elasticity, while their strength and elongation increase. Cf. C.A. 50, 14265c.

Emanuel Merdinger

CALISTRU, E.; NOPREAU, D.; SIMIONESCU, G.

"Consideration of the way to obtain and industrialize vegetable proteins; factors which effect the viscosity of proteide solutions". p. 133.
"Journal on science issued by the Iasi Branch, Rumanian Academy; with French and Russian summaries. Quarterly". (STUDII SI CERCETARI STIINTIFICE., Vol.5, no. 1/2, Jan./June 1954. Filiala Iasi.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

Mic

Methods of obtaining and utilizing vegetable proteins.
4. Anion-exchange resins. Crist. Simionescu, Elena Calistrut, and Doré Feldman. *Acta rep. popularare Române* (Buc.), *Studii cercetării științ. 5*, No. 1/2, 151-8 (1954).—The condensation of vegetable proteins with HCHO results in products which retain anions. The condensation is a complex reaction, since besides the anion exchange, an apparent adsorption phenomenon also takes place. The exchange forces compare to classical resins, such as *m*-toluidine and *m*-phenylenediamine, but the exptl. results show that the vegetable proteins have smaller exchange forces than those of the classical compns. The anion retention was detd. by passing a Na sulfate soln. of known concn. a fixed no. of times through a resin layer to det. the anion quantity in mg. retained by 1 g. of resin. With this technique, 1 g. of resin of *m*-toluidine base retained 83.30 mg. SO₄²⁻ compared to *m*-phenylenediamine which had a retention of 54.67 mg. Vegetable protein resins retained 09.09 mg. SO₄²⁻ per g. resin. The practical application of these resins is suggested for the sugar industry, in biol. investigations, and generally in analytical chemistry. VII. Factors which influence the viscosity of protein solutions. Crist. Simionescu, Elena Calistrut, and Ioan Oprea. *Ibid.* 133-50.—The influence was studied of various factors on the viscosity of turnip and pumpkin protein solns., such as: concn. in vegetable protein and their nature; concn. of the protein soln. in NaOH; maturity period at 20°; incorporation and influence of sulfate salts, such as AlK(SO₄)₂, Cr₂(SO₄)₃·18H₂O, K₂SO₄, FeSO₄·7H₂O, Al₂(SO₄)₃, CrK(SO₄)₂, and AlK(SO₄)₂. The conclusions, verified by expts., were that among these factors the most essential are: the concn. of proteins, maturity period, and the effect of salts. The influence of salts on viscosity in decreasing order is chrome alum, Fe sulfate, Al sulfate, and K sulfate. *T. Z. D.*

GALISTRU, ELENA

H U M .

The study and uses of vegetable proteins. II. Cristofor Simionescu, Vasile Diaconescu, Elena Galistru, Dorel Feldman, Margareta Grigoras, and Ioan Oprea (Zassy Polytech. Inst., Romania). *Rev. chim.* (Bucharest) 6, No. 1, 7-18(1955).—A discussion on the applicability of such by-products as mill cakes, slaughterhouse blood, and liming waters in the paper, fiber, plastics, and glue industries.

Gerard Aufleger

Country	:	Rumania	H-32
Category	:		
Abs. Jour.	:		48064
Author	:	Calistrut, E.; Simionescu, N.; Simionescu, C.	
Institut.	:	Rumanian Academy	
Title	:	Some Factors Affecting Viscose Stability	
Orig. Pub.	:	Studii si cercetari stiint. Acad. RPR Fil. la si Chim., 1956 (1957), 7, No 2, 149-190	
Abstract : Study of kinetics of viscose ripening at elevated temperature and on action of different additives. Results were evaluated on the basis of changes in ripeness, viscosity, and degree of esterification. It was found that addition of vulcacite T, as well as of sodium sulfide and urea, retards ripening of viscose; at the same time no changes are observed in the physico-chemical indices of the fiber obtained, which is confirmed by experiments at the "Filatura Lupen" factory. Antioxidants do not interfere with colloidal-chemical ripening. Cystin and acetamide are accelerators of the process of ripening of viscose solution.			
Card:	1/2		

5

The fractionation of cellulose with sulfuric acid. Cristofor Simionescu and Elena Calistrat (Polytech. Hochschule, Iasi, Romania). *Fortschr. d. Textiltech.* 7, 171-5 (1956). Cotton, rayon, and other wood celluloses are pretreated 0.5 hr. with 50% H₂SO₄ at room temp., then at -20° are added to sufficient 72% H₂SO₄ to bring its concn. to 60-3% (e.g., when 43 cc. 50% H₂SO₄ is used the mixt. is made up to 100 cc. by dropwise addn. of 72% H₂SO₄ at -20°), the mixt. is kept with occasional shaking 0.5-1 hr. at -20° in a refrigerator, the concn. of the H₂SO₄ in the filtered soln. is detd., and the soln. divided into 4 portions and dil'd. with H₂O to H₂SO₄ concns. of 15, 30, 35, and 40%. The pptd. cellulose fractions are filtered off and the cellulose content of the original soln., in the ppts., and in the filtrates is detd. according to a modification of the Bray-Andrews method (C.A. 17, 1714). The results are given in several tables. Of the cotton (in 68.5% H₂SO₄) 0.36, 3.82, and 8.5%, resp., is dissolved; of the filter paper (in 62.32% H₂SO₄) 0.6, 1.61, and 3.47%; of rayon pulp (in 61.5% H₂SO₄) 4.57-7.09, 6.05-7.80, and 9.4-14.95%; and of 2 wood celluloses for paper (in 62.5% H₂SO₄) 8.32 and 8.89, 9.29 and 11.63, and 10.99 and 13.4%; resp. The disadvantage of the method is that only 3 fractions are obtained because of difficulties in the filtration of the ppts. at acid concns. of over 45% and of the necessity for such low temps. in order to prevent a degradation of the cellulose. F. E. Brauns

2 M.A-YOUT 2
2 CCP:cs

COUNTRY	:	Rumania	H-33
CATEGORY	:		
ABG. JOUR.	:	RZKhim., No. 16 1959, No.	59371
AUTHOR	:	Simionescu, C. and Calistrut, E.	
INST.	:	Not given	
TITLE	:	On the Fractionation of Cellulose from H ₂ SO ₄ Solution. Communication III.	
ORIG. PUB.	:	Rev Chim (Rumania), 2, No 2, 223-236 (1957)	
ABSTRACT	:	The authors present experimental data on the utilization of H ₂ SO ₄ , H ₃ PO ₄ , and mixtures of these acids in the fractionation of cellulose (C) with reprecipitation with water and describe the experimental procedures used. The precipitation of C from 75-89% H ₃ PO ₄ by the addition of water until a 15-50% H ₃ PO ₄ solution is obtained gives a lower micromolecular fraction content in the cellulose (MC) than precipitation of the C from 61.6-66.5% H ₂ SO ₄ . Thus H ₃ PO ₄ when used as a solvent lowers	

CARD: 1/3

COUNTRY	:	Rumania	
CATEGORY	:		E-33
AUG. JOUR.	:	RZhKhim., No. 16 1959, No.	
AUTHOR	:		59371
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	tion of the insoluble fractions in the above-enumerated acid solutions. Measurements of the variation of the specific viscosity of C solutions in H_2SO_4 as a function of concentration confirm the view of Staudinger that the increase in the specific viscosity of dil solutions is greater than proportional [nonlinear ?]. For Communication II see RZhKhim, 1958, No 15, 52322. R. Krylova	

CARD: 3/3

392

AP
11

Obtaining cellulose in high yield. V. Diaconescu,
Emanuel Popescu, Gh. Nichitus, Erna Weiss, Elena Calinaru,
Dorel Feldman, C. Matear, N. Asandei, Gheorghe Andreescu,
and Cristofor Simionescu. *Bul. inst. politec. Iasi* [N.S.] 4,
[1958] 218-220 (1958). High yields of cellulose (up to 65%) are
obtained by digesting 2400 kg. wood with NaOH (570 kg.),
and 70 kg. Na₂S, so that the total alky. is 13.2% (on the
wood basis). The so-called active alky. is 11.87%. The
digestion required 2 hours and 10 min. at max. pressure,
maintaining this for another 10 min., degassing for 5 min.,
and then washing for 6 hrs. The pulp contained 77.57%
cellulose, 14.58% lignin, 6.80% pentosans, and 70.69% a-
cellulose.

Maria Paecht-Horowitz

J. May
HSC 6/
#

RUMANIA/Chemical Technology - Cellulose and Its Derivatives.
Paper.

H-33

Abs Jour : Ref Zhur + Khimiya, No 24, 1958, 83795

Author : Simionescu, Cr., Calistrut, E., Feldman, D., Simionescu, N.

Inst :

Title : Cellulose from Reed, Its Chemical Processing and the Production Therefrom of Synthetic Fibers of a Viscose Silk Type.

Orig Pub : Celuloza si hirtie, 1958, 7, No 5, 171-177.

Abstract : The properties of a sulfate cellulose prehydrolysed from reed and intended for the production of viscose fibers were described. The cellulose from reed prepared by the above method is of an outstanding high quality, but a lower ash content is to be desired.

Card 1/1

CALISTRU, E.

Metallic Complexes as cellulose solvents. p. 46.

CELULOZA SI HIRTIE. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Industriei Petrolului si Chimie) Bucuresti, Rumania
Vol. 8, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959.

Uncl.

COUNTRY	: ROMANIA
CATEGORY	: Chemical Technology. Chemical Products and Their Applications. Cellulose and Its *
ABS. JOUR.	: RZKhim., No. 23 1959, No. 84325
AUTHOR	: Siminescu, C.; Calistru, E.
INST.	: -
TITLE	: Viscose Cellulose Derived from Reed
ORIG. PUB.	: Celul. si hirtie, 1959, 8, No 4, 111-117
ABSTRACT	: Based on the investigation of morphological structure and on uniqueness in the degree of polymerization of macromolecules of the reed viscose cellulose (VC), the conclusion was made that the reed VC quality is not inferior to VC derived from wood pulp. The morphological structure was investigated by the K. Heide method, employing 80% H ₃ PO ₄ for the wood VC and 83% H ₃ PO ₄ for the reed VC, as well as with 60% H ₃ PO ₃ . The degree of polymeriza-
 *Derivatives. Paper.	
CARD:	1/2

H - 142

COUNTRY : H
CATEGORY :

ABS. JOUR. : AZKhim., No. 23 1953, No. 84325

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT
Con'd : zation was determined from solubilities in H_3PO_4 and by a special fractionation method of the solutions, employing the precipitation with H_2SO_4 at low temperatures, that insures a possibility of finding criteria for the classification of celluloses depending on the fractions entering solution and on the initial acidity of the medium.

CARD: 2/2

SIMIONESCU, Cr., prof; CALISTRU, Elena; SIMIONESCU, Natalia

Studies on the lignin extracted from a beech tumor. Studii chemie Iasi
10 no.2:303-309 '59. (EEAI 10:1)

1. Redactor responsabil adjunct, Studii si cercetari stiintifice,
Chimie. Membru correspondent al Academiei Republicii Populare
Romane (for Simionescu, Cr.)
(Beech) (Lignin)

CALISTRU E.

COUNTRY : Czechoslovakia H-33
CATEGORY :
ABS. JOUR. : RZKhim., No. 22 1959 No. 80534
AUTHOR : Simionescu, C. and Calistro, E.
PISY. : Not given
TITLE : Cane Cellulose

OMIG. PUS. : Papir a Celul., 14, No 3, 52-56 (1959)

ABSTRACT : The authors have investigated the morphological and molecular structure of cellulose (C) from Phragmites communis. It is shown that cane C is in all respects equal to wood C. The molecular polydisperseness (an important characteristic in the production of viscose C) is better in cane C than in wood C.
From authors' summary

07934 1/1

CALISTRU E.

SIMIONESKU, K. [Simionescu, C.]; ~~CALISTRU, E. [Calistru, E.]~~; Simionescu, Nataliya [Simionescu, Natalia]

Study of some chemical changes during the development of the tumors caused by *Bacterium tumefaciens*. Rev chimie 6 no.2: 235-243 '61.

1.Otdeleniye prirodnykh makromolekul Khimicheskogo instituta "Petru Poni", Yaaskiy filial Akademii RNR 2. Chlen-dorrespondent Akademii RNR. Membre du Comité de rédaction, "Revue de chimie" (for C. Simionescu)

CALISTRU, Elena, conf.; MIHAILESCU, Silvia, ing.

Research on the capacity of cellulose reactivity in chemical processing. Cel. hirtie. 10 no.2:48-54 F'61

SIMIONESCU,Cr., prof.dr.ing.; CALISTRU,E., ing., candidat in Stiinte Tehnice.

Comparative study on the chemical pulps from Arundo-donax and Phragmites communis. Cel hirtie 10 no.7/8:268-276 Jl-Ag'61.

1. Membru Corespondent al Academiei R.P.R. (for Simionescu).

SIMIONESCU, Cr., prof.dr. ing.; CALISTIU, E., candidat in Stiinte Tehnice;
MIHAILESCU, S., ing.

Chemical cellulose obtained from reed (*Phragmites communis*)
grown in the Danube Delta. Cel hirtie 10 no.10:341-350 0'61

1. Membru Corespondent al Academiei R.P.R. (for Simionescu).

SIMIONESCU, Cristofor, prof.; CALISTRU, Elena

Studies on the chemical transformations during the development of the tumors produced by *Bacterium tumefaciens*. II. Chromatographic study of sugars. Studii chim Iasi 12 no.2:227-232 '61.

1. Institutul de chimie "P.Poni," Sectia de chimie macromoleculara.
2. Membru corespondent al Academiei R.P.R., Membru al Comitetului de redactie si Redactor responsabil adjunct, "Studii si cercetari stiintifice, Chimie" (for Simionescu).

SIMIONESCU, Cristofor, prof.; CALISTRU, Elena; SIMIONESCU, Natalia;
HRIHOROV, Marta

Action of antioxidants on the process of tumor growth in
vegetables. Studii chim Iasi 12 no.2:241-249 '61.

1. Filia Iasi a Academiei R.P.R., Institutul de chimie
"P.Poni," Sectia de chimie macromoleculara. 2. Membru
corespondent al Academiei R.P.R., Membru al Comitetului de
redactie si Redactor responsabil adjunct, "Studii si
cercetari stiintifice, Chimie" (for Cristofor Simionescu).

CALISTRU, E., ing.; MIHAILESCU, S., ing.

Laboratory research on the solubilization of some chemical cellulose
in alkalies. Cel hirtie 12 no.8/9:265-274 Ag-S '63.

CALISTRU, Elena, conf., candidat in stiinte tehnice.

Considerations on the formation mechanism of artificial
cellulose fibers of viscose type: normal viscose type.
Ind text Rum 14 no.11:501-506 N'63

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALISTRU, E., conf.

Modification of the properties of the viscose type of hydrate-cellulose fibers. Gel hirtie 13 no. 5/6:183-189 My-Je'64

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

Calistrin, E., conf.

Modification of the properties of cellulose-hydrate fibers of the viscose type. Pt.3. Cal hirtie 13 no.78228-232 JI '64

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CALISTRU, Elena, conf., candidat in stiinte tehnice

Considerations on the mechanism of formation of viscose fibers. Ind text Rum 15 no. 1:6-11 Ja '64.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALISTRU, E., conf., candidat in stiinte tehnice; GHEORGHIU, A., ing.

Metallic complexes as cellulose solvents. Pt.2. Cel hirtie
13 no.11/12:400-405 N.D '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CALISTRY, SIMIONESCU

H-33

RUMANIA / Chemical Technology. Chemical Products and
Their Application. Cellulose and Cellulose
Products. Paper.

Abs Jour : Ref Zhur - Khim, No 3, 1958, No 10,004

Author : Calistry, Simionescu

Inst : Not given

Title : Fractionation of Cellulose by Use of H₂SO₄

Orig Pub : The cellulose (I) is dissolved in 63% H₂SO₄ at a temperature of -15 to -20° C; the solution which maintained at that temperature is diluted with water to 15, 30, and 40% H₂SO₄, after which the amount of the dissolved and precipitated fractions is determined. The effect of temperature of I dissolution and of the time of storage of the solutions upon the distribution curves, the changes in distribution depending upon the source of I, the distribution curves before and after bleaching I, and the changes in the viscosity of I solutions as the concentration varies were studied. The temperature of dissolution and the storage time of the solutions influence the nature of the distribution curves,

Card 1/2

//

ARENTS, J.; Prinimal uchastiye CALITIS, A.; NEILANDE, A.[translator];
LIELPETERE, M.[translator]; DIEDINS, J., red.; SPORANE, V.,
tekhn. red.

[School for leading workers] Pirmrindnieku pieredzes skola.
Riga, Latvijas valsts izd-ba, 1962. 137 p. (MIRA 17:1)

1. Direktor pokazatel'nogo khozyaystva "Vecauce" Dobel'skogo
rayona Latviyskoy SSR (for Arents).

GALKA, Wacław (Łódź, Narutowicza 60)

Morphology of the serratus anterior with special reference to constitutional characteristics. Fol. morph. 5 no.1:1-12 1954.

1. z Zakładu Anatomii Prawidłowej Akademii Medycznej w Łodzi.
Kierownik: prof. dr T. Wasilewski.

(THORAX, muscles,

*serratus anterior, morphol. & constitutional characteristics)

CAILKA, Waclaw

Certain morphological properties of the latissimus dorsi with
special reference to constitutional properties. *Fol. morph.*, Warsz.
5 no.3:203-220 1954.

1. z Zakladu Anatomii Prowidlowej Akademii Medycznej w Lodzi.
Kierownik: prof. dr med. T.Wasilewski.

(BACK, muscles,

latissimus dorsi, morphol. & constitutional aspects)

(BODY CONSTITUTION,

constitutional aspects of latissimus dorsi)

CAILKA, WACŁAW.

Morfologia mięśnia piersiowego większego i mniejszego z uwzględnieniem cech konstytucyjnych. Wyd. 1. Łódź, Państwowe Wydawn. Naukowe, 1955. 45 p. Łódzkie Towarzystwo Naukowe. Wydział 4. Prace, nr. 4 Morphology of the major and minor pectoral muscles with special consideration of constitutional characteristics. English and Russian summaries. 1st ed., bibl., tables.

SOURCE: East Europeans Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

LISIECKA-ADAMSKA, Halina; CALKA, Wacław

Therapy of diabetes and pulmonary tuberculosis in diabetes. Polski
tygod.lek. 10 no.20:656-661 16 May '55.

l. Z I Kliniki Chorob Wewnętrznych A.M. w Łodzi; Kierownik: prof.
dr. med.J. W. Grott. Łódź, ul. Wieckowskiego 56.
(TUBERCULOSIS, PULMONARY, complications
diabetes mellitus, ther.)
(DIABETES MELLITUS, complications
tuberc.,pulm.,ther.)

CHLKA, W.

GROTT, Jozef Maciej; CALKA, Maciej; LISIECKA-ADAMSKA, Halina.

Frequency of incidence of lung tuberculosis in diabetes. Polskie
arch. med. wewn. 25 no.1:23-33 1955.

1. Z I klin. chow. wewch. A.M.w Lodz; kier. prof. dr. med. J.W.Grott.
(DIABETES MELLITUS, complications
tuberc., pulm., incidence)
(TUBERCULOSIS, PULMONARY, complications
diabetes mellitus, incidence)

LISIENCKA-ADAMSKA, H.; KOLAKOWSKI, J; CALKA, W.; HAROLSKA I.

Multiple pulmonary abscesses complicating abortion. Gin.polaka
26 no.3:307-312 July-Sept. '55.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Łodzi Kierownik: prof.
dr. J. W. Grott. Łódź, Wieckowskiego 56.

(LUNGS, abscess,

multiple, with abortion)
(ABORTION, complications,

lung abscesses, multiple)
(ABSCESS,

lungs, multiple, with abortion)

L 50533-65 EWT(m)/EWP(e)/EWP(i) WH

ACCESSION NR: AP5009229

UB /0020/65/161/001/0171/0174 //

/0

B

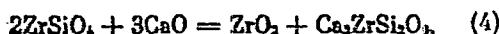
AUTHOR: Chukhantsev, V.G.; Calkin, Yu. M.

TITLE: Solid-state reactions in the decomposition of zircon by calcium oxide

SOURCE: AN SSSR. Doklady, v. 161, no. 1, 1965, 171

TOPIC TAGS: zircon decomposition, solid state reaction, calcium oxide, calcium zirconate

ABSTRACT: The authors used crushed zircon (down to 0.01 mm), calcium carbonate, zirconium dioxide, and analytically pure quartz to prepare powder mixtures which were pressed and fired in the form of pellets. Chemical, x-ray phase, thermographic, and petrographic analyses were used to study the synthesized products. The decomposition of zircon by calcium oxide at 1350°C occurs as follows: $ZrSiO_4 + 4CaO = CaZrO_3 + Ca_2SiO_5$, (1)

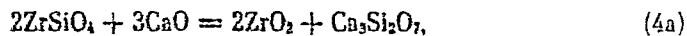
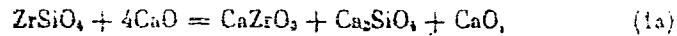


Card 1/3

L 50533-65

ACCESSION NR: AP5009229

Lowering of the temperature to 1100-1200°C causes the following changes in reactions (1), (4), and (6):



The results obtained are illustrated in the figure (see Fig. 1 of the Enclosure), which shows a simplified diagram of the interaction of calcium oxide and zircon particles in intimate contact at 1350°C. Orig. art. has: 1 figure, 2 tables, and 9 formulas.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S.M. Kirova (Ural'sk Polytechnic Institute)

SUBMITTED: 04Aug84

ENCL: 01

SUB CODE: IC , SS

NO REF SOV: 010

OTHER: 011

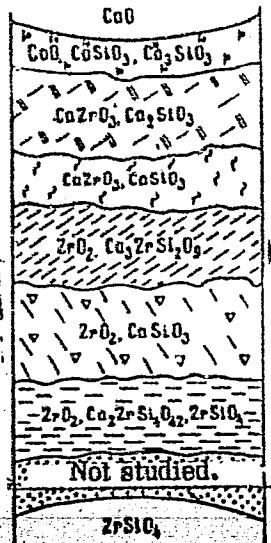
Card 2/3

L 50533-65

ACCESSION NR: AP5009229

ENCLOSURE: 01

Fig. 1. Arrangement of the zones of the principal reactions involved in the process of solid-state decomposition of a grain of zircon in contact with calcium oxide at 1350°C.



me
Card 3/3

CALKOVSKA-SIGIDOVÁ, Z.; MARTINKOVIC, A.

Hemolytic disease of the newborn caused by isoimmunization
with anti-c(Hr^b). Cesk. pediat. 18 no.7:599-604 Jl '63.

1. Krajska transfuzní stanice v Banske Bystrici, prednosta
MUDr. A. Martinkovic Detske oddelení KUMZ v Banske Bystrici,
vedouci MUDr. P. Fabian.

(ERYTHROBLASTOSIS, FETAL)
(PREGNANCY COMPLICATIONS)
(BLOOD TRANSFUSION)
(EXCHANGE TRANSFUSION)

CALKOVSKY, S.; KOLAR, J.

Let us stop wasting motor fuels! p. 25. Control of business accounting in the tractor brigade. p. 28.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 2, Jan. 1955.

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

CALKOVSKY, S.

Good work of tractor operators is a guarantee of high yields. p. 49. Automatic
welding. Tr. from the Russian. p. 54.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 3, Feb. 1955

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALKOVSKY, S.; UHER, F.

Dynamometric studies, a basis for constructing tractor units. p. 88.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 5, Mar. 1955

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CALKOVSKY, S.

Time losses in spring work. p. 98.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 6, Mar. 1955

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

CALKOVSKY, S.

Good leadership of a brigade is a factor for success. p. 140.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 6, Apr. 1955.

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Unclassified

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

VALKOVSKY, S.; KOLAR, J.

Calkovsky, S.; Kolar, J.

Time losses during the harvesting of hay and grain with automatic binders. p. 185.

Vol. 5, no. 10, May 1955
MECHANISACE ZEMEDILSTVI

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Unclassified.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CALKOVSKY, S.

Ondracek, F. How much the efficiency of the S-4 combine is reduced by technical defects. p. 245.

MECHANISACE ZEMEDELSTVI, Praha, Vol. 5, no. 13, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

CALKOVSKY, S.

Loss of time in the winter operations of the Miroslav Machine-Tractor Station. p. 328

MECHANISACE ZEMEDELSTVI. (Minsterstvo zemedelstvi) Praha

Vol. 5, no. 17, Sept. 1955

East European Accessions List

Vol. 5 No. 1

Jan. 1956

CALKOVSKY, S.

"Be sure to learn about the advantages of an hourly work schedule in the fall plowing."

MECHANISACE ZEMEDELSTVI, Praha, Czechoslovakia, Vol. 5, No. 19, October 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

CALKOVSKY, S.

CALKOVSKY, S. How to use an hourly schedule in the spring planting. p. 106.

Vol. 6, no. 6, Mar. 1956

MACHANISACE ZEMEDELSTVI

AGRICULTURE

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

CALKOVSKY, S.

Mechanization of hay harvesting. p. 191.

Vol. 6, no. 10, May 1956

SBORNIK. RAD A MECHANISACE A ELETRIFIKACE ZEMEDELSTVI A LESNICTVI

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5,no. 11 Nov. 1956

CALKOVSKY, S.; ZOUBEK, F.

CALKOVSKY, S.; ZOUBEK, F. Importance of sharp blades and a smooth disk in plowing. p. 349.

Vol. 6, no. 18, Sept 1956

MACHANISACE ZEMEDELSTVI

AGRICULTURE

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

CALKOVSKY, S.

Conditions for successful harvesting of cereals on collective farms;
examples of the Ivanovice, Svabenice, and Medlov Collective Farms.

p. 13
Vol. 10, no. 5, May 1956
ROLNICKE HLASY
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

CALKOVSKY, S.

Economic evaluation of the work of outstanding and average tractor drivers. p. 89. SBORNIK. RADA ZEMEDELSKA EKONOMIKA. PRaha. Vol. 29, no. 2, Mar. 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1957.

CALKOVSKY, S.

Lowering losses in grain harvesting. p. 15.
(Rolnicke Hlays. Vol. 11, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EHAL) LC, Vol. 6, no. 10, October 1957. Uncl.

POLAND / Physical Chemistry. Kinetics. Combustion. Explosions. Topochemistry. Catalysis. B-9

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34273

Author : Krause A., Bethke B., Calkowna A.

Inst : Not given

Title : Action of the Promoters, Similar to Catalyst Carriers.

Orig Pub: Roczn. chem., 1958, 32, No 2, 409-411

Abstract: In the adsorption of Cu²⁺ or Fe³⁺ ions on the surface of catalysts which are mixtures of three hydroxides and having the atomic ratio of Fe(3+): Cu(2+): Mg = 1: 0.3:0.22, their catalyst activities decline with respect to decomposition of H₂O₂ and increase with respect to oxidation of HC0OH when present in a solution containing H₂O₂. In the opinion of the author, these results indicate possibility of an interaction among the component parts of such

Card 1/2

11

CALLEMBERG, W.

"Basic Rules of Economy in the Use of Electric Power in Industrial Plants,"
P. 163, (PRZEGIAD TECHNICZNY, Vol. 75, No. 5, May 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

PEREDY, Sandor; MONATH, Lajos; RAPELIUS, Karl (Leipzig); CALLENBERG,
Waldemar (Leipzig); LIPKA, Ceslav (Praha); FREIBERGER, Kádólf,
dr. Ing. (Praha); SCHENKEL, Gerhard, dr. ing. (Karlsruhe);
MIKULSKI, Jan, dr. ing. (Katowice); FRATZSCHER, Wolfgang, dr.
ing. (Drezda); BENEDEK, Istvan; CUKOR, Gyorgy; SAGI, Marton;
SOVARY, Emil; NAGY, Csaba (Roman Nepkoztarsasag); ELEFTERESCU, M.
(Roman Nepkoztarsasag); KOVACS, Istvan (Roman Nepkoztarsasag);
LAZAR, Peter, dr.; MEJRO, Cz., prof. (Varso); KOKOVAY, Janos, dr.;
SCHAEFER, Helmuth, dr. ing. (Karlsruhe); BORBAS, Nandor; GRUHN,
Gunther, Dipl. ing. (Drezda); SZABO, Bendeguz; GYORI, Attila;
MOLNAR, Laszlo; RECZEY, Gusztav, dr.

Determination and application of specific power utilization
indexes. Ipari energia 3 no.1/2:15-22 Ja-F '62.

1. Koho- es Gépipari Miniszterium Ipargazdasagi es Uzemszervezeti Intezete (for Peredy).
2. Obudai Hajogyar (for Monath).
3. Orszagos Energiagazdalkodasi Hatosag (for Benedek and Reczey).
4. Magyar Tudomanyos Akademia Kozgazdasagtudomanyi Intezete (for Cukor and Sagi).
5. Eromu Tervező Iroda (for Sovary).
6. Konnyui-pari Miniszterium (for Kokovay).
7. Voros Csillag Traktorgyar (for Borbas).
8. Kobanyai Muanyaggyar (for Szabo).
9. Koho- es Gépipari Miniszterium Energiaosztaly (for Molnar).

CALMAGIUC, L.: PELECUDI,CH.: BOGDAN,R

Experimental sutdy of trajectories and velocities in mechanisms. p.868

METALURGIA SI ConSTRUCIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Technicienilor din Romania) Bucuresti, Rumania
Vol.11, no.10 Oct. 1959

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.2 Feb. 1960

Uncl.

R/008/61/000/005/002/005
D289/D305

AUTHORS: Pelecudi, Chr., Bogdan, R. C., and Calmaciuc, L.

TITLE: On the bending stresses and deformations of caps in crank-mechanisms

PERIODICAL: Studii si cercetari de mecanica aplicata, no. 5,
1961, 1047-1056

TEXT: The article deals with the stresses and deformations, to which piston rod caps are subjected. To determine the forces appearing in the caps of simple crank-mechanisms, the authors establish the following hypotheses. (a) The assembly axis of the cap to the rod is perpendicular to the axis of the rod. (b) The mass of the rod decomposed into two masses concentrated at the large end and small end of the rod is considered to be a simplifying factor. (c) V and H are the forces due to the crank pin, supplying the resultant P which acts on the cap. (d) F(Θ) is the force due to the gass pressure exerted on the piston surface. (e) N and μ N are the perpendicular and the tangential reactions between the cylinder

Card 1/9

On the bending stresses ...

R/008/61/000/005/002/005
D289/D305

and the piston. (f) F_A and F_B are the inertia forces of the rod - piston system, considering the simplifying hypothesis of the distribution of the rod mass to the two points A and B. Starting with the expressions of H and V deduced from the force equilibrium (Fig. 1):

$$H = - F_B \sin (\theta + \delta) \quad (1)$$

$$V = F_B \cos (\theta + \delta) - \frac{(F + F_A) \cos \varphi}{\cos (\delta - \varphi)} \quad (2)$$

in which $\varphi = \arctg \mu$ is the friction angle, positive for θ between 0 and 180° and negative for θ between 180° and 360° , the authors deduce, after having established the expressions of the inertia forces F_B and F_A :

$$F_B = m_B r \omega^2 \quad (5)$$

Card 2/ 9

On the bending stresses ...

R/008/61/000/005/002/005
D289/D305

and

$$F_A = m_A \ddot{x}_A = - m_A r \omega^2 \left[\frac{\cos(\theta + \delta)}{\cos \delta} + \lambda \frac{\cos^2 \theta}{\cos^3 \delta} \right] \quad (6)$$

the relations

$$H = - m_B r \omega^2 \sin \theta \quad (9)$$

and

$$V = (m_A + m_B) r \omega^2 \cos \theta \quad (10)$$

which supply the approx. shape of the variation of the H and V forces, based on the boundary case $\lambda = 0$ and $\delta = 0$. H describes a sine line and V a cosine line. θ approx varies between $-\pi/2$ and $+\pi/2$. The angle α under which the P(H and V) force stresses the

Card 3/9

On the bending stresses ...

R/008/61/000/005/002/005
D289/D305

cap, varies approx. linearly with the time:

$$\operatorname{tg} \alpha = \frac{V}{H} \approx - \left(1 + \frac{m_B}{m_A} \right) \operatorname{ctg} \theta, \quad \alpha \approx \pi/2 + \theta \quad (11)$$

To establish the forces which stress the cap of the master and articulated rods of a V-engine (Fig. 3), the authors deduce for H:

$$H = - M_H r \omega^2 \sin \theta - m_A r \omega^2 \lambda \sin 2\theta \sin \frac{\gamma}{2} + \\ + [F_2(\theta_2) - F_1(\theta_1)] \sin \frac{\gamma}{2} \quad (25)$$

Card 4/9

On the bending stresses . . .

R/008/61/000/005/002/005
D289/D305

in which M_H is given by:

$$M_H = 2 \left(m_B + m_A \sin^2 \frac{\gamma}{2} \right)$$

and for V:

$$V = M_V r \omega^2 \cos \theta + 2m_A r \omega^2 \lambda \left[\cos^2 \theta \cos^2 \frac{\gamma}{2} + \sin^2 \theta \sin^2 \frac{\gamma}{2} \right] \cos \frac{\zeta}{2} - \\ - [F_1(\theta_1) + F_2(\theta_2)] \cos \frac{\delta}{2}$$

✓

in which M_V is given by:

$$M_V = 2 \left(m_B + m_A \cos^2 \frac{\gamma}{2} \right) \quad (26)$$

Card 5/9

On the bending stresses ...

R/008/61/000/005/002/005
D289/D305

To determine the deformations of the rod cap, the authors take into consideration the resultant P of the forces H and V , the reacting force of the screws F , and the supporting forces H_1 and H_2 between the rod and cap accomplished by a wedge, bolts, or friction, as shown in Fig. 5. The bending moments on the $(1 - P)$ and $(P - 2)$ sections are given by:

$$M_1 = (H_1 \sin \Psi + F \cos \Psi)r - F(e + r) \quad (29)$$

and

$$M_2 = (H_2 \sin \Psi - F \cos \Psi)r - F(e + r) \quad (30)$$

and, according to Castigliano's theorem, the non-impeded displacement of the support No. 1 in case of a constant bending rigidity is given by:

Card 6/ 9

On the bending stresses ...

R/008/61/000/005/002/005
D289/D305

$$u_1 = \frac{r^3}{2EI} \left[\pi H_2 - H \left(\alpha + \operatorname{tg}^{-1} \left(1 + \frac{2e}{r} \right) \right) \right] \text{ and } u_2 = 0 \quad (32)$$

The authors finally establish the deformation and force diagrams of the separation plane. According to the type of action of forces and deformations, they distinguish the following cases. (a) Lateral displacement impeded by wedges in a single direction. (b) The displacement of both supports is impeded in every moment. (c) The displacement of the no. 2 support is impeded and the no. 1 support supplies an elastic reaction. (d) The no. 1 support supplies an elastic reaction followed by a constant force, due to possible friction. In accordance with these situations, various forces are produced in the assembly screws, depending on whether the screws react to the stresses produced by the cap by elastic bending, shearing, etc. These stresses may be avoided or reduced by using corresponding wedges, bushings, or bolts with close tolerances.

Card 7/9

R/008/61/000/005/002/005
D289/D305

On the bending stresses ...

There are 7 figures and 7 Soviet-bloc references.

SUBMITTED: June 28, 1961

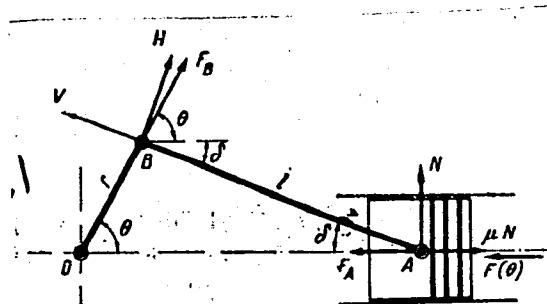


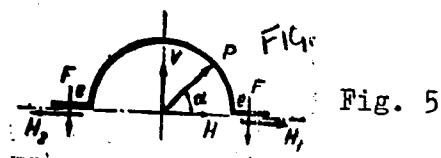
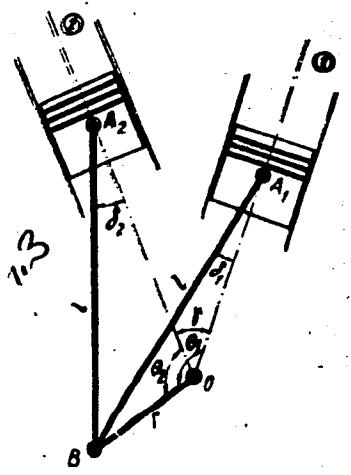
Fig. 1

Card 8/9

On the bending stresses ...

R/008/61/000/005/002/005
D289/D305

Fig. 3



Card 9/9

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

BOGDAN, R.C.; PELECUDI, Chr.; CALMACINC, L.

On some spherical curves, and mechanisms necessary for their construction. Studii cerc nec apl 13 no.1:63-77 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

PELECUDI, Chr.; BOGDAN, R.C.; CALMACIUC, L.

Motion of a sphere with fixed center for the automatic control
of the surface. Studii cerc nec apl 13 no.3:749-759 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALMACIUC, L.

"The work of the Machine Institute." Reviewed by L. Calmaciuc. Studii
cerc. mecanice apl. 13 no. 6:1626-1629 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALMATIC, L.

"Seminar on the theory of machines and mechanisms." Student
cerc mec sp1 14 no.43977-978 '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CALMACIUC, M.

"Transactions of the Institute of Mechanical Engineering.
Seminar on the theory of machines and mechanisms." Vol. 22.
Reviewed by M.Calmaciuc. Studii cerc măc apl 13 no.3:803-804
'62.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALMACIUC, M.

"Transactions of the Institute of Mechanical Engineering. Seminar
on the theory of machines and mechanisms." Vol. 22. Reviewed
by M. Calmaciuc. Studii cerc nec apl 13 no.3:804-806 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

COUNTRY	:	Romania	H-22
CATEGORY	:		
ART. JOUR.	:	R/Chim, No. 51960, No.	19359
NAME	:	Boric, N. and Calmanovici, S.	
TYPE	:	Not Given	
TOPIC	:	Application Possibilities for Natural and Sulfonated Coals in the Rumanian Peoples Republic	
ORIG. PUB.	:	Rev Chim, 9, No 7-8, 451-452 (1958)	
ABSTRACT	:	The results from investigations on the application of natural [sic] and sulfonated Rumanian coals from the Kapen and other deposits in water softening, metal concentration, metal separation, the defecation of sugar juices, and in the clarification and stabilization of wines are given. From authors' summary	
CARD:	1/1	516	

CALMANOVICI, B.

COUNTRY : Rumania H-5
CATEGORY :
ABS. JOUR. : RZKhim, No. 5 1960, No. 18290
AUTHOR : Calmanovici, B. and Burcus, F.
INST. : Not given
TITLE : The Removal of Radioactive Materials from Drinking
and Waste Water with Ion Exchange Resins
ORIG. PUB. : Hidrotehnica, 4, No 2, 70-71 (1959)
ABSTRACT : General data on the contamination of waters by
radioactive materials and on the removal of the
latter are presented.

Ya. Matlis

CARD: 1/1

219

L 30771-66 ETC(f) RM/DS

ACC NR: AP6020258

SOURCE CODE: RU/0003/65/016/11-/0597/0598

AUTHOR: Calmanovici, B.; Badula, E.

ORG: none

TITLE: Separation of HCl-CH₃COOH by means of anion exchangers

SOURCE: Revista de chimie, v. 16, no. 11-12, 1965, 597-598

TOPIC TAGS: ion exchange resin, anion, chlorine

ABSTRACT: The authors tested the effectiveness of a number of ion exchange resins with respect to their ability and ease of removal of the chlorine. From the data presented, it can be seen that the anionic exchangers as a group are less effective than the cationic ones. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 003

1 23
B

Card 1/1 JS

L 39133-66 EWP(j)/T IJP(c) RM/WW/JWD
ACC NR: AP6030353

SOURCE CODE: RU/0003/65/016/003/0168, '0168

AUTHOR: Calmanovici, B.; Costian, D.

45
B

ORG: none

TITLE: Determining the nitration degree of styrene-divinylbenzene copolymers by
means of U.V. absorption spectrophotometry

SOURCE: Revista de chimie, v. 16, no. 3, 1965, 168

TOPIC TAGS: copolymer, UV absorption, spectrophotometric analysis, polystyrene

ABSTRACT: The authors describe the use of ultraviolet spectroscopy to determine
the degree of nitration of styrene-divinylbenzene copolymers. The samples for
analysis consist of films made by pressing the nitroderivatives mixed with
polystyrene for 3 to 4 minutes at a pressure of 40 atmospheres and a temperature
of 170 degrees centigrade. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 07, 11 / SUBM DATE: none

me
Card 1/1

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CAIMANOVICI, Bella; IONESCU, Fl.; HERTOG, Ana-Maria; MATEIUSCU, Mihaela;
BADULA, Elena

Separation of hydrochloric acid from acetic acid by means
of cation exchangers. Rev chimie Min petr 15 no.2:107-110
F '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CAIMANOVICI, G., ing.

Welded nets for reinforced concrete. Rev constr si mat constr
16 no. 2:67-78 F '64.

CIOCAN, C.; CALNEGRU, I.

Biology of Rhizoctonia solani Kuhn, and fight against the fungus. Comunicarile AR 12 no.2:137-242 F '62.

1. Comunicare prezentata de Eug. Radulescu, membru corespondent al Academiei R.P.R.

*

IONESCU, G.; CALOENESCU, C.; STEFANESCU, F.; IONESCU, Al.; GELES, H.;
ZIRNOVEANU, G.

Results of tests with explosion and geophone groups in the
Transylvanian Basin. Petrol si gaze 15 no. 7:326-341 J1
'64.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

VARODIN, V., ing.; IONESCU, G., ing.; JHISCAN, V., ing.; CHIRPARI, M.,
ing.; MARGARITESCU, D., ing.; NEGRESCU, V., ing.; VALOENESCU,
C., ing.

Aspects of the reflection seismic prospection in the
Moesian Platform. Petrol si gaze 15 no.10:529-541 O '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CALOGERA, C.

MURFAN, I.
SURNAME, Given Name

Country: Romania

Academic Degrees: /not given/

Affiliation: /presumably the No 2 Surgery Clinic (Clinica II de Chirurgie), Timisoara/

Source: Timisoara, Timisoara Medicala, No 2, Jul-Dec 60, pp 33-37

Data: "Experience of the Timisoara No 2 Surgery Clinic in Connection with the Therapy
of Breast Cancer."

Co-authors:

CALOGERA, C.

MARCU, M.

CRISAN, O.

/degrees not given/ affiliations presumably No 2 Surgery Clinic,
Timisoara/

MURESAN, I., prof.; CALOGHERA, C., dr.

Biliary lithiasis and cancer of the gallbladder. Med. intern. 14 no.4:
419-422 Ap '62.

1. Lucrare efectuata la Clinica a II-a chirurgicala, Timisoara (seful
clinicii: prof. I. Muresan.
(CHOLELITHIASIS) (GALLBLADDER NEOPLASMS)

ROMANIA

MURESAN, I., Professor; CALOGERA, C.; MARCU, M.; POP, Z.; CRISAN, G.; BIHOIU, I.; RAICU, I., Extern.

Surgical Clinic II in Timisoara (Clinica II-a Chirurgicala, Timisoara) - (for all)

Timisoara, Timisoara Medicala, No 1, Jan-Jun 63, pp 27-32

"Our Experience in the Surgery of the Hydatid Cyst of the Liver."
(Report presented to the Timisoara Society of Medical Sciences -
Surgery Section - 5 April 1961.)

7

CALOG HIRV, S.

Distr: 4E2c

The $\gamma \rightarrow \alpha$ transformation without diffusion in Fe-C alloys. Butu Rotenstein, Sofia Caloghiru, and Teodor Teitel. Rev. mtl., Acad. rep. populaire Roumaine 3, 99-108 (1958) (in English).—The influence of the holding time, in the period of relative stability, of the phase upon the kinetics of transformation at $>0^\circ$ without diffusion of the α phase was deduced from measurements of the magnetizing intensity of an alloy contg. 0.9% C and 1.7-1.8% Cr. The test specimens were heated for 4 min. at 1000° and placed in an oven kept at various temps., or were kept at $500-200^\circ$ for 2 min. and then placed in the oven. Irrespective of the temp. of the specimen, transformation initially proceeds at a high rate, which later decreases. Results show that processes which take place in the zone of high temps. (Ar') affect the transformation without diffusion of the γ phase, causing the amt. of α phase subsequently formed to grow as the temp. decreases. After 20 min. the amts. of α phase, formed at temps. between 120° and 27° , are generally smaller than those obtained if the specimen passes directly from the range of stability of the γ phase to the range of temp. at which the $\gamma \rightarrow \alpha$ transformation takes place. The temp. variation at $400-200^\circ$ does not indicate any specific effect of the period of relative stability of the γ phase. However, phenomena exist in this period which affect the formation without diffusion of the α phase. This

period is, therefore, an incubation period. The formed amts. of α phase are very close to each other during sudden variation of the temp. from 1000° to 27° and from 200° to 27° . The variation of the amt. of α phase formed without diffusion cannot be derived as a function of cooling rate of the specimen at 1000 to 200° . The amt. of the α phase isothermally formed has a max. when transformation takes place at 90° and is a function of temp. Both the total amts. of α phase and the amts. isothermally formed are generally smaller than the amts. obtained by a sudden cooling. At Ar' (500 to 450°) the effect of the period of incubation of the γ phase is marked by the increase of the amt. of α phase isothermally formed at $90-120^\circ$. At Ar'' (450 to 200°) the period of incubation bears no effect whatsoever. The factor which dets. the transformation is the temp. at which transformation without diffusion takes place and not the tensions caused in the specimen by sudden cooling. The app. devised measures the magnetic flux of the induction field by a ballistic method. A ballistic galvanometer of sensibility of 4×10^{-8} C/mm. is employed. The specimens were homogenized prior to testing by annealing at 1150° in vacuo for 9-10 hrs., pickled, and Cr plated.

Mordecai Medwed

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALOIANU, C.

Toxic substances in leather industry. Industria usoara 3
no.5:196-200 My '56.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

CAZIANU, G.

CAZIANU, G. Editorial rules for standards concerning analytical methods.
p. 2%, Vol. 7, no. 11, Nov. 1955. INDUSTRIA TEXTILĂ.
Bucureşti, Romania.

SOURCE: East European Accessions List (EEAL) LG Vol. 5, No. 6 June 1956

CALCIANU, C.

CALCIANU, C. Reagents and standardization. p. 34

Vol. 8, No. 6, June 1956

STANDARDIZAREA

TECHNOLOGY

Bucuresti, Romania

So: East European Accession, Vol. 6, No. 2, Feb. 1957

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALOIANU, Cornelius, ing.

Silicons in the rubber industry. Industria usoara II no.5;
250-255 My '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

SZUDER, W., ing.; CALOIANU, Gh. ing.

The Jiu Valley 20 years after the liberation. Rev min 15 no.8:
385-389 Ag '64.

1. Director General, the Jiu Valley Carboniferous Aggregate Works
(for Szuder). 2. Technical Director, the Jiu Valley Carboniferous
Aggregate Works (for Caloianu).

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

(CALOIANU, M.

"Electronic microscopy in biology and inframicrobiology" by
R. Portocala, N. Ionescu. Reviewed by M. Caloianu. Rev biol
8 no.3:378 '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5

CALOIANU, Nicolae (Bucuresti); LEȚEA, Ion (Bucuresti)

The Republic of Cuba. Natura Geografie 12 no. 6:23-31
N-D '60.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010004-5"

L 38135-66

ACC NR: AP6028687

SOURCE CODE: RU/0024/66/000/002/0014/0020

AUTHOR: Caloianu, N. (Bucharest)

18
3

ORG: none

TITLE: Territorial development of the city of Sibiu

SOURCE: Natura. Seria geografie-geologie, no. 2, 1966, 14-20

TOPIC TAGS: cartography, industrial development

ABSTRACT: The author traces the territorial development of the city of Sibiu from its beginnings to the present. The city was surrounded by defensive walls from the 13th to the 17th centuries, started its major expansion during the second half of the 19th century and again developed more intensely after 1944. Orig. art. has: 3 figures. [Based on author's Eng. abst.] [JPRS: 36,844]

SUB CODE: 08, 05 / SUBM DATE: none / ORIG REF: 003

Card 1/1 MRP